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C l a i m s :

1. A power supply arrangement for supplying power from a battery (2) to an
5 electric load (3; 23), said arrangement comprising:
- a controlled switch (4; 34; 44) having a first state in which a connection is provided from the battery (2) to the load (3; 23), and a second state in which the load (3; 23) is disconnected from the battery (2), and
 - 10 • control circuitry (5, 8, 9) for controlling the state of the controlled switch (4; 34; 44),
- c h a r a c t e r i z e d in that the control circuitry (5, 8, 9) is arranged to be disconnected from the battery (2) when the controlled switch (4; 34; 44) is in its second state.
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2. A power supply arrangement according to claim 1, c h a r a c -
t e r i z e d in that a switch (16) arranged to be operated manually is provided in parallel to the controlled switch (4; 34; 44).
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3. A power supply arrangement according to claim 1, c h a r a c -
t e r i z e d in that a back-up power storage (22) for supplying power to the control circuitry (5, 8, 9), when the controlled switch (4; 34; 44) is in its second state, is provided.
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4. A power supply arrangement according to any one of claims 1 to 3, c h a r a c t e r i z e d in that the controlled switch comprises a Field Effect Transistor (34).
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5. A power supply arrangement according to any one of claims 1 to 4, c h a r a c t e r i z e d in that the controlled switch is implemented as a disable switch of a voltage regulator (44).

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6. A power supply arrangement according to any one of claims 1 to 5, c h a r a c t e r i z e d in that the control circuitry (5, 8, 9) comprises means (8, 9) for monitoring the battery voltage and switching said controlled switch (4; 34; 44) to its second state when a voltage below a pre-
5 defined reference value is detected.

7. A power supply arrangement according to any one of claims 1 to 6, c h a r a c t e r i z e d in that it is arranged to supply power to a mobile telephone (23).
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8. A method of protecting a battery (2) from over-discharge,
• said battery (2) being connected through a controlled switch (4; 34; 44) to an electric load (3; 23) under control of control circuitry (5, 8, 9), said controlled switch (4; 34; 44) having a first state in which a
15 connection is provided from the battery (2) to the load (3; 23),
• and wherein the load (3; 23) is disconnected from the battery (2) by bringing the controlled switch (4; 34; 44) to a second state,
c h a r a c t e r i z e d in that the method comprises the step of disconnecting the control circuitry (5, 8, 9) from the battery (2) when the controlled switch (4; 34; 44) is in its second state.
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9. A method according to claim 8, c h a r a c t e r i z e d in that the method comprises the step of providing a switch (16) arranged to be operated manually in parallel to the controlled switch (4; 34; 44).
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10. A method according to claim 8, c h a r a c t e r i z e d in that the method comprises the step of supplying power from a back-up power storage (22) to the control circuitry (5, 8, 9), when the controlled switch (4; 34; 44) is in its second state.
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11. A method according to any one of claims 8 to 10, c h a r a c -
t e r i z e d in that the method comprises the steps of monitoring the

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battery voltage, and switching said controlled switch (4; 34; 44) to its second state when a voltage below a predefined reference value is detected.

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